

GROUND FAULT PROTECTION SUBSYSTEM CHECKLIST FOR EXISTING FACILITIES

For use of this form, see TM 5-690; the proponent agency is COE.

1. FACILITY

2. DATE (YYYYMMDD)

3. LOCATION

4. INSPECTOR

5. CHECK THE GROUNDED (Neutral) AND GROUNDING CIRCUITS FOR PROPER INSTALLATION, CONNECTION, AND BONDING FROM THE SERVICE ENTRANCE PANELS TO THE DISTRIBUTION PANELS. VERIFY THAT THE GROUNDED AND GROUNDING CONDUCTORS ARE LOCATED IN THE SAME CONDUIT AS THE LINE (Hot) CONDUCTORS. RECORD THE DATA AND ALL DEFICIENCIES.

LOCATION	MAIN BREAKER RATING	GROUNDED CIRCUIT		GROUNDING CIRCUIT		PROPER INSTALLATION		PROPER BONDING		LOCATED IN SAME CONDUIT	
		SIZE	MATERIAL	SIZE	MATERIAL	YES	NO	YES	NO	YES	NO

6. MEASURE THE LINE-TO-NEUTRAL VOLTAGES, LINE-TO-GROUND VOLTAGES, AND NEUTRAL-TO-GROUND VOLTAGES AT ALL PANELS AND DISCONNECTED SWITCHES

LOCATION	LINE-TO-NEUTRAL VOLTAGES			LINE-TO-GROUND VOLTAGES			NEUTRAL-TO-GROUND VOLTAGES
	$V_{(A-N)}$	$V_{(B-N)}$	$V_{(C-N)}$	$V_{(A-G)}$	$V_{(B-G)}$	$V_{(C-G)}$	$V_{(N-G)}$

7. MEASURE THE LINE (Hot) CURRENTS, NEUTRAL CURRENTS, AND GROUND CURRENTS

LOCATION	LINE CURRENTS			NEUTRAL CURRENT	NEUTRAL CURRENT
	$I_{(A)}$	$I_{(B)}$	$I_{(C)}$	$I_{(N)}$	$I_{(G)}$

8. RECORD ALL NATIONAL ELECTRIC CODE (NEC) AND NATIONAL ELECTRIC SAFETY CODE (NESC) VIOLATIONS

LOCATION	VIOLATIONS